

Appn. No. 10/654,174
Amdt. Dated January 27, 2006
Reply to Office Action of July 28, 2005

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (amended) A photovoltaic device having improved resistance to corrosion comprising a first substrate, a second substrate, at least one photovoltaic element positioned between the first and second substrates, a front CTO contact positioned between the first substrate and the photovoltaic element where the front CTO contact comprises a CTO having a hardness of at least about 200 Number of Taber Abraser passes, measured ~~when using on~~ a CTO layer that is 6000 angstroms thick.

Claim 2 (amended) The photovoltaic device of Claim 1 wherein front CTO contact comprises a CTO having a hardness of at least about 300 Number of Taber Abraser passes measured ~~when using on~~ a CTO layer that is 6000 angstroms thick.

Claim 3 (amended) The photovoltaic device of Claim 1 wherein front CTO contact comprises a CTO having a hardness of at least about 400 Number of Taber Abraser passes measured ~~when using on~~ a CTO layer that is 6000 angstroms thick.

Claim 4 (amended) The photovoltaic device of Claim 1 wherein front CTO contact comprises a CTO having a hardness of at least about 500 Number of Taber Abraser passes measured ~~when using on~~ a CTO layer that is 6000 angstroms thick.

Claim 5 (amended) The photovoltaic device of Claim 1 wherein front CTO contact comprises a CTO having a hardness of at least about 600 Number of Taber Abraser passes measured ~~when using on~~ a CTO layer that is 6000 angstroms thick.

Claim 6 (amended) The photovoltaic device of Claim 1 wherein front CTO contact comprises a CTO having a hardness of at least about 700 Number of

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Taber Abraser passes measured ~~when using on~~ a CTO layer that is 6000 angstroms thick.

Claim 7 (original) A photovoltaic module comprising the photovoltaic device of Claim 1.

Claim 8 (amended) A thin film photovoltaic device having improved resistance to corrosion comprising a front CTO contact where the CTO has a hardness of at least about 300 Number of Taber Abraser passes measured ~~when using on~~ a CTO layer that is 6000 angstroms thick.

Claim 9 (amended) A Photovoltaic photovoltaic module comprising the photovoltaic device of Claim 8.

Claim 10 (original) The photovoltaic device of Claim 1 wherein the CTO contact comprises tin oxide.

Claim 11 (original) The photovoltaic device of Claim 1 wherein the photovoltaic device comprises amorphous silicon.

Claim 12 (original) The photovoltaic device of Claim 1 wherein the CTO contact has a thickness of about 2000 to about 8000 angstroms.

Claim 13 (amended) A method of making a photovoltaic device having improved resistance to corrosion comprising sealing a first substrate to a second substrate with at least one photovoltaic device positioned between the substrates an where the photovoltaic device comprises using a front contact CTO layer having a hardness of at least about 200 Number of Taber Abraser passes measured ~~when using on~~ a CTO layer that is 6000 angstroms thick.

Claim 14 (amended) The method of Claim 13 wherein the CTO layer has a hardness of at least about 200 Number of Taber Abraser passes measured ~~when using on~~ a CTO layer that is 6000 angstroms thick.

Claim 15 (amended) The method of Claim 13 wherein the CTO layer has a hardness of at least about 400 Number of Taber Abraser passes measured ~~when using on~~ a CTO layer that is 6000 angstroms thick.

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Claim 16 (amended) The method of Claim 13 wherein the CTO layer has a hardness of at least about 500 Number of Taber Abraser passes measured when using on a CTO layer that is 6000 angstroms thick.

Claim 17 (amended) The method of Claim 13 wherein the CTO layer has a hardness of at least about 600 Number of Taber Abraser passes measured when using on a CTO layer that is 6000 angstroms thick.

Claim 18 (amended) The method of Claim 13 wherein the CTO layer has a hardness of at least about 700 Number of Taber Abraser passes measured when using on a CTO layer that is 6000 angstroms thick.

Claim 19 (original) The method of Claim 13 wherein the CTO contact comprises tin oxide.

Claim 20 (original) The method of Claim 13 wherein the CTO contact is about 2000 to about 8000 angstroms thick.